

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 11/658,344  
Source: IFWP  
Date Processed by STIC: 1/31/07

# ***ENTERED***

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IFWP

## RAW SEQUENCE LISTING

DATE: 01/31/2007

PATENT APPLICATION: US/11/658,344

TIME: 08:34:24

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\01312007\K658344.raw

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3 <110> APPLICANT: Novartis AG
5 <120> TITLE OF INVENTION: Organic Compound
7 <130> FILE REFERENCE: 4-33392P1
C--> 9 <140> CURRENT APPLICATION NUMBER: US/11/658,344
C--> 9 <141> CURRENT FILING DATE: 2007-01-24
9 <160> NUMBER OF SEQ ID NOS: 23
11 <170> SOFTWARE: PatentIn version 3.2
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 5
15 <212> TYPE: PRT
16 <213> ORGANISM: artificial
18 <220> FEATURE:
19 <223> OTHER INFORMATION: CDR1 region of AIN457
22 <220> FEATURE:
23 <221> NAME/KEY: DOMAIN
24 <222> LOCATION: (1)..(5)
25 <223> OTHER INFORMATION: CDR1 = hypervariable region 1 of heavy chain of AIN457
27 <400> SEQUENCE: 1
29 Asn Tyr Trp Met Asn
30 1 5
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 17
35 <212> TYPE: PRT
36 <213> ORGANISM: artificial
38 <220> FEATURE:
39 <223> OTHER INFORMATION: CDR2 of AIN457
42 <220> FEATURE:
43 <221> NAME/KEY: DOMAIN
44 <222> LOCATION: (1)..(17)
45 <223> OTHER INFORMATION: CDR2 = hypervariable region 2 of heavy chain of AIN457
47 <400> SEQUENCE: 2
49 Ala Ile Asn Gln Asp Gly Ser Glu Lys Tyr Tyr Val Gly Ser Val Lys
50 1 5 10 15
53 Gly
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 18
59 <212> TYPE: PRT
60 <213> ORGANISM: artificial
62 <220> FEATURE:
63 <223> OTHER INFORMATION: CDR3 of AIN457
66 <220> FEATURE:
67 <221> NAME/KEY: DOMAIN
68 <222> LOCATION: (1)..(18)

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69 <223> OTHER INFORMATION: CDR3 = hypervariable region 3 of heavy chain of AIN457  
 71 <400> SEQUENCE: 3  
 73 Asp Tyr Tyr Asp Ile Leu Thr Asp Tyr Tyr Ile His Tyr Trp Tyr Phe  
 74 1 5 10 15  
 77 Asp Leu  
 81 <210> SEQ ID NO: 4  
 82 <211> LENGTH: 12  
 83 <212> TYPE: PRT  
 84 <213> ORGANISM: artificial  
 86 <220> FEATURE:  
 87 <223> OTHER INFORMATION: CDR1' of AIN457  
 90 <220> FEATURE:  
 91 <221> NAME/KEY: DOMAIN  
 92 <222> LOCATION: (1)..(12)  
 93 <223> OTHER INFORMATION: CDR1' = hypervariable region 1 of light chain of AIN457  
 95 <400> SEQUENCE: 4  
 97 Arg Ala Ser Gln Ser Val Ser Ser Ser Tyr Leu Ala  
 98 1 5 10  
 101 <210> SEQ ID NO: 5  
 102 <211> LENGTH: 7  
 103 <212> TYPE: PRT  
 104 <213> ORGANISM: artificial  
 106 <220> FEATURE:  
 107 <223> OTHER INFORMATION: CDR2' of AIN457  
 110 <220> FEATURE:  
 111 <221> NAME/KEY: DOMAIN  
 112 <222> LOCATION: (1)..(7)  
 113 <223> OTHER INFORMATION: CDR2' = hypervariable region 2 of light chain AIN457  
 115 <400> SEQUENCE: 5  
 117 Gly Ala Ser Ser Arg Ala Thr  
 118 1 5  
 121 <210> SEQ ID NO: 6  
 122 <211> LENGTH: 9  
 123 <212> TYPE: PRT  
 124 <213> ORGANISM: artificial  
 126 <220> FEATURE:  
 127 <223> OTHER INFORMATION: CDR3' of AIN457  
 130 <220> FEATURE:  
 131 <221> NAME/KEY: DOMAIN  
 132 <222> LOCATION: (1)..(9)  
 133 <223> OTHER INFORMATION: CDR3' = hypervariable region 3 of light chain AIN457  
 135 <400> SEQUENCE: 6  
 137 Gln Gln Tyr Gly Ser Ser Pro Cys Thr  
 138 1 5  
 141 <210> SEQ ID NO: 7  
 142 <211> LENGTH: 381  
 143 <212> TYPE: DNA  
 144 <213> ORGANISM: Homo sapiens  
 147 <220> FEATURE:

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148 <221> NAME/KEY: CDS
149 <222> LOCATION: (1)..(381)
150 <223> OTHER INFORMATION: DNA of heavy chain domain of AIN457
152 <400> SEQUENCE: 7
153 gag gtg cag ttg gtg gag tct ggg gga ggc ttg gtc cag cct ggg ggg      48
154 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
155 1          5          10          15
157 tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttt agt aac tat      96
158 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
159          20          25          30
161 tgg atg aac tgg gtc cgc cag gct cca ggg aaa ggg ctg gag tgg gtg      144
162 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
163          35          40          45
165 gcc gcc ata aac caa gat gga agt gag aaa tac tat gtg ggc tct gtg      192
166 Ala Ala Ile Asn Gln Asp Gly Ser Glu Lys Tyr Tyr Val Gly Ser Val
167          50          55          60
169 aag ggc cga ttc acc atc tcc aga gac aac gcc aag aac tca ctg tat      240
170 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
171 65          70          75          80
173 ctg caa atg aac agc ctg aga gtc gag gac acg gct gtg tat tac tgt      288
174 Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys
175          85          90          95
177 gtg agg gac tat tac gat att ttg acc gat tat tac atc cac tat tgg      336
178 Val Arg Asp Tyr Tyr Asp Ile Leu Thr Asp Tyr Tyr Ile His Tyr Trp
179          100          105          110
181 tac ttc gat ctc tgg ggc cgt ggc acc ctg gtc act gtc tcc tca      381
182 Tyr Phe Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
183          115          120          125
186 <210> SEQ ID NO: 8
187 <211> LENGTH: 127
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 8
193 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
194 1          5          10          15
197 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
198          20          25          30
201 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
202          35          40          45
205 Ala Ala Ile Asn Gln Asp Gly Ser Glu Lys Tyr Tyr Val Gly Ser Val
206          50          55          60
209 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
210 65          70          75          80
213 Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys
214          85          90          95
217 Val Arg Asp Tyr Tyr Asp Ile Leu Thr Asp Tyr Tyr Ile His Tyr Trp
218          100          105          110
221 Tyr Phe Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
222          115          120          125

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225 <210> SEQ ID NO: 9
226 <211> LENGTH: 327
227 <212> TYPE: DNA
228 <213> ORGANISM: Homo sapiens
231 <220> FEATURE:
232 <221> NAME/KEY: CDS
233 <222> LOCATION: (1)..(327)
234 <223> OTHER INFORMATION: DNA of varibale part of light chain of AIN457
236 <400> SEQUENCE: 9
237 gaa att gtg ttg acg cag tct cca ggc acc ctg tct ttg tct cca ggg      48
238 Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
239 1          5          10          15
241 gaa aga gcc acc ctc tcc tgc agg gcc agt cag agt gtt agc agc agc      96
242 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
243          20          25          30
245 tac tta gcc tgg tac cag cag aaa cct ggc cag gct ccc agg ctc ctc      144
246 Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
247          35          40          45
249 atc tat ggt gca tcc agc agg gcc act ggc atc cca gac agg ttc agt      192
250 Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
251          50          55          60
253 ggc agt ggg tct ggg aca gac ttc act ctc acc atc agc aga ctg gag      240
254 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
255 65          70          75          80
257 cct gaa gat ttt gca gtg tat tac tgt cag cag tat ggt agc tca ccg      288
258 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
259          85          90          95
261 tgc acc ttc ggc caa ggg aca cga ctg gag att aaa cga      327
262 Cys Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
263          100          105
266 <210> SEQ ID NO: 10
267 <211> LENGTH: 109
268 <212> TYPE: PRT
269 <213> ORGANISM: Homo sapiens
271 <400> SEQUENCE: 10
273 Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
274 1          5          10          15
277 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
278          20          25          30
281 Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
282          35          40          45
285 Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
286          50          55          60
289 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
290 65          70          75          80
293 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
294          85          90          95
297 Cys Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
298          100          105

```

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301 <210> SEQ ID NO: 11
302 <211> LENGTH: 10
303 <212> TYPE: PRT
304 <213> ORGANISM: artificial
306 <220> FEATURE:
307 <223> OTHER INFORMATION: CDR1-x of AIN457
310 <220> FEATURE:
311 <221> NAME/KEY: DOMAIN
312 <222> LOCATION: (1)..(10)
313 <223> OTHER INFORMATION: CDR1-x = hypervariable domain x of heavy chain of AIN457
315 <400> SEQUENCE: 11
317 Gly Phe Thr Phe Ser Asn Tyr Trp Met Asn
318 1 5 10
321 <210> SEQ ID NO: 12
322 <211> LENGTH: 11
323 <212> TYPE: PRT
324 <213> ORGANISM: artificial
326 <220> FEATURE:
327 <223> OTHER INFORMATION: CDR2-x of AIN457
330 <220> FEATURE:
331 <221> NAME/KEY: domain
332 <222> LOCATION: (1)..(11)
333 <223> OTHER INFORMATION: CDR2-x = hypervariable domain of heavy chain x of AIN457
335 <400> SEQUENCE: 12
337 Ala Ile Asn Gln Asp Gly Ser Glu Lys Tyr Tyr
338 1 5 10
341 <210> SEQ ID NO: 13
342 <211> LENGTH: 23
343 <212> TYPE: PRT
344 <213> ORGANISM: artificial
346 <220> FEATURE:
347 <223> OTHER INFORMATION: CDR3-x of AIN457
350 <220> FEATURE:
351 <221> NAME/KEY: domain
352 <222> LOCATION: (1)..(23)
353 <223> OTHER INFORMATION: CDR3-x = hypervariable domain x of heavy chain AIN457
355 <400> SEQUENCE: 13
357 Cys Val Arg Asp Tyr Tyr Asp Ile Leu Thr Asp Tyr Tyr Ile His Tyr
358 1 5 10 15
361 Trp Tyr Phe Asp Leu Trp Gly
362 20
365 <210> SEQ ID NO: 14
366 <211> LENGTH: 20
367 <212> TYPE: DNA
368 <213> ORGANISM: artificial
370 <220> FEATURE:
371 <223> OTHER INFORMATION: Primer for cloning of heavy chain of AIN457
374 <220> FEATURE:
375 <221> NAME/KEY: primer_bind

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RAW SEQUENCE LISTING ERROR SUMMARY

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Input Set : A:\SEQUENCE LISTING.txt

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,11,12,13,14,15,16,17,18,19,20,21,22,23

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/11/658,344

DATE: 01/31/2007

TIME: 08:34:26

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\01312007\K658344.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date